

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTORNEY DOCKET NO.: AUS920030579US1	SERIAL NO.: To be assigned
	APPLICANT: Boerstler et al.	EXAMINER: To be assigned
	FILING DATE: Herewith	GROUP: To be assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document ²	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Figures Appear
		Number	Kind Code ²			
	AA	4,131,862	B1	Black et al.		
	AB	5,113,152	B1	Norimatsu		
	AC	5,272,452	B1	Adachi et al.		
	AD	6,060,953	B1	Tsai		
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	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴				
	BA	EP	0 782 271	A1	Thomson Consumer Electronics		
	BB						
	BC						
	BD						

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

	CA		FAHIM, A.M. and ELMASRY, M.I.; "A Fast Lock Digital Phase-Locked-Loop Architecture for Wireless Applications"; <i>IEEE Transactions on Circuits and Systems-II: Analog and Digital Signal Processing</i> ; February 2003; Vol. 50, No. 2; pp. 63-72.				
	CB		LEE, Joonsuk and KIM, Beomsup; "A Low Noise Fast Lock Phase Locked Loop With Adaptive Bandwidth Control"; <i>IEEE Journal of Solid-State Circuits</i> ; August 2000; Vol. 35, No. 8; pp. 1137-1145.				
	CC		ROH, Gyoung-Tae, LEE, Yong Hoon and KIM, Beomsup; "Optimum Phase Acquisition Technique for Charge Pump PLL," <i>IEEE Transactions on Circuits and System-II: Analog and Digital Signal Processing</i> ; September 1997; Vol. 44, No. 9; pp. 729-740.				

EXAMINER:

DATE CONSIDERED: 4/19/15

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issue the document, by the two-letter code (WIPO Standard ST. 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Place a check mark here if English language Translation is attached.